

CLAIMS

1. Display unit for a portable electronic device, comprising:
 - an essentially transparent display layer (5) having a front side (5a) provided for displaying information, and a rear side (5b),
 - a lighting system (7) for illuminating the transparent display layer (5) from the rear side (5b), said lighting system (7) adapted to be switched on, or off, wherein when the lighting system (7) is switched on, the display unit (1) is adapted to operate in an emissive mode, wherein when the lighting system (7) is switched off, the display unit (1) is adapted to operate in a reflective or transreflective mode.
2. Display unit according to claim 1, wherein the display layer (5) on the rear side (5b) is provided with a color filter layer (4) having a front side (4a) facing the display layer (5), said front side (4a) being provided with at least one reflector (2).
3. Display unit according to claim 2, wherein the reflector(s) (2) covers less than 50 % of the total area of the rear side (4b) of the filter layer (4).
4. Display unit according to claim 2, wherein the reflector(s) (2) covers less than 25 % of the total area of the front side (4a) of the filter layer (4).
5. Display unit according to claim 3 or 4, wherein the reflector (2) is provided in the center of the front side (4a) of the filter layer (4).
6. Display unit according to claim 3 or 4, wherein the reflector(s) (2) is/are provided adjacent to an edge of the front side (4a) of the filter layer (4).
7. Display unit according to any one of the claims 3-6, wherein the reflector (2) has rectangular shape.
8. Display unit according to any one of the claims 3-6, wherein the reflector (2) has circular shape.
9. Portable electronic device comprising:
 - at least one display unit (1), comprising:

- an essentially transparent display layer (5) having a front side (5a) provided for displaying information, and a rear side (5b),
 - a lighting system (7) for illuminating the transparent display layer (5) from the rear side (5b), said lighting system (7) being adapted to be switched on, or off,
- 5 wherein when the lighting system (7) is switched on, the display unit (1) is adapted to operate in an emissive mode, when the lighting system (7) is switched off, the display unit (1) is adapted to operate in a reflective mode.
10. Portable electronic device according to claim 9, wherein the display layer (5) on the rear side (5b) is provided with a color filter layer (4) having a front side (4a) facing the display layer (5), said front side (4a) being provided with at least one reflector (2).